RAW SEQUENCE LISTING
PATENT APPLICATION: **US/09/903,806C**

Input Set : **A:\P1618P2C3 sequence listing.txt**
Output Set: **N:\CRF4\10072003\I903806C.raw**

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 7 <110> APPLICANT: Chen, Jian
 8        Goddard, Audrey
 9        Gurney, Austin L.
10        Hillan, Kenneth
11        Pennica, Diane
12        Wood, William I.
13        Yuan, Jean
15 <120> TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
16        Acids Encoding the Same
18 <130> FILE REFERENCE: P1618P2C3
20 <140> CURRENT APPLICATION NUMBER: US 09/903,806C
21 <141> CURRENT FILING DATE: 2001-07-11
23 <150> PRIOR APPLICATION NUMBER: US 09/665,350
24 <151> PRIOR FILING DATE: 2000-09-18
26 <150> PRIOR APPLICATION NUMBER: PCT/US00/04414
27 <151> PRIOR FILING DATE: 2000-02-22
29 <150> PRIOR APPLICATION NUMBER: PCT/US98/18824
30 <151> PRIOR FILING DATE: 1998-09-10
32 <150> PRIOR APPLICATION NUMBER: US 60/062,287
33 <151> PRIOR FILING DATE: 1997-10-17
35 <160> NUMBER OF SEQ ID NOS: 424
37 <210> SEQ ID NO: 1
38 <211> LENGTH: 1825
39 <212> TYPE: DNA
40 <213> ORGANISM: Homo Sapien
42 <400> SEQUENCE: 1
43  actgcacctc ggttctatcg attgaattcc ccgggggatcc tctagagatc 50
45  cctcgacctc gacccacgcg tccgggccgg agcagcacgg ccgcaggacc 100
47  tggagctccg gctgcgtctt cccgcagcgc tacccgccat gcgcctgccg 150
49  cgccgggccg cgctgggggct cctgccgctt ctgctgctgc tgccgccccgc 200
51  gccggaggcc gccaagaagc cgacgccctg ccaccggtgc cggggggctgg 250
53  tggacaagtt taaccagggg atggtggaca ccgcaaagaa gaactttggc 300
55  ggcgggaaca cggcttgggga ggaaaagacg ctgtccaagt acgagtccag 350
57  cgagattcgc ctgctggaga tcctggaggg gctgtgcgag agcagcgact 400
59  tcgaatgcaa tcagatgcta gaggcgcagg aggagcacct ggaggcctgg 450
61  tggctgcagc tgaagagcga atatcctgac ttattcgagt ggttttgtgt 500
63  gaagacactg aaagtgtgct gctctccagg aacctacggt cccgactgtc 550
65  tcgcatgcca gggcggatcc cagaggccct gcagcgggaa tggccactgc 600
67  agcggagatg ggagcagaca gggcgacggg tcctgccggt gccacatggg 650
69  gtaccagggc ccgctgtgca ctgactgcat ggacggctac ttcagctcgc 700
71  tccggaacga gacccacagc atctgcacag cctgtgacga gtcctgcaag 750
73  acgtgctcgg gcctgaccaa cagagactgc ggcgagtgtg aagtgggctg 800
75  ggtgctggac gagggcgcct gtgtggatgt ggacgagtgt gcggccgagc 850
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RAW SEQUENCE LISTING   DATE: 10/07/2003
PATENT APPLICATION: **US/09/903,806C**   TIME: 09:35:23

Input Set : **A:\P1618P2C3 sequence listing.txt**
Output Set: **N:\CRF4\10072003\I903806C.raw**

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 77  cgcctccctg cagcgctgcg cagttctgta agaacgccaa cggctcctac  900
 79  acgtgcgaag agtgtgactc cagctgtgtg ggctgcacag gggaaggccc  950
 81  aggaaactgt aaagagtgta tctctggcta cgcgagggag cacggacagt 1000
 83  gtgcagatgt ggacgagtgc tcactagcag aaaaaacctg tgtgaggaaa 1050
 85  aacgaaaact gctacaatac tccagggagc tacgtctgtg tgtgtcctga 1100
 87  cggcttcgaa gaaacggaag atgcctgtgt gccgccggca gaggctgaag 1150
 89  ccacagaagg agaaagcccg acacagctgc cctcccgcga agacctgtaa 1200
 91  tgtgccggac ttacccttta aattattcag aaggatgtcc cgtggaaaat 1250
 93  gtggccctga ggatgccgtc tcctgcagtg gacagcggcg gggagaggct 1300
 95  gcctgctctc taacggttga ttctcatttg tcccttaaac agctgcattt 1350
 97  cttggttgtt cttaaacaga cttgtatatt ttgatacagt tctttgtaat 1400
 99  aaaattgacc attgtaggta atcaggagga aaaaaaaaaa aaaaaaaaa  1450
101  aaagggcggc cgcgactcta gagtcgacct gcagaagctt ggccgccatg 1500
103  gcccaacttg tttattgcag cttataatgg ttacaaataa agcaatagca 1550
105  tcacaaattt cacaaataaa gcattttttt cactgcattc tagttgtggt 1600
107  ttgtccaaac tcatcaatgt atcttatcat gtctggatcg ggaattaatt 1650
109  cggcgcagca ccatggcctg aaataacctc tgaaagagga acttggttag 1700
111  gtaccttctg aggcggaaag aaccagctgt ggaatgtgtg tcagttaggg 1750
113  tgtggaaagt ccccaggctc cccagcaggc agaagtatgc aagcatgcat 1800
115  ctcaattagt cagcaaccca gtttt 1825
117  <210> SEQ ID NO: 2
118  <211> LENGTH: 353
119  <212> TYPE: PRT
120  <213> ORGANISM: Homo Sapien
122  <400> SEQUENCE: 2
123  Met Arg Leu Pro Arg Arg Ala Ala Leu Gly Leu Leu Pro Leu Leu
124    1               5                  10                  15
126  Leu Leu Leu Pro Pro Ala Pro Glu Ala Ala Lys Lys Pro Thr Pro
127                  20                  25                  30
129  Cys His Arg Cys Arg Gly Leu Val Asp Lys Phe Asn Gln Gly Met
130                  35                  40                  45
132  Val Asp Thr Ala Lys Lys Asn Phe Gly Gly Gly Asn Thr Ala Trp
133                  50                  55                  60
135  Glu Glu Lys Thr Leu Ser Lys Tyr Glu Ser Ser Glu Ile Arg Leu
136                  65                  70                  75
138  Leu Glu Ile Leu Glu Gly Leu Cys Glu Ser Ser Asp Phe Glu Cys
139                  80                  85                  90
141  Asn Gln Met Leu Glu Ala Gln Glu Glu His Leu Glu Ala Trp Trp
142                  95                 100                 105
144  Leu Gln Leu Lys Ser Glu Tyr Pro Asp Leu Phe Glu Trp Phe Cys
145                 110                 115                 120
147  Val Lys Thr Leu Lys Val Cys Cys Ser Pro Gly Thr Tyr Gly Pro
148                 125                 130                 135
150  Asp Cys Leu Ala Cys Gln Gly Gly Ser Gln Arg Pro Cys Ser Gly
151                 140                 145                 150
153  Asn Gly His Cys Ser Gly Asp Gly Ser Arg Gln Gly Asp Gly Ser
154                 155                 160                 165
156  Cys Arg Cys His Met Gly Tyr Gln Gly Pro Leu Cys Thr Asp Cys
157                 170                 175                 180
```

```
159   Met Asp Gly Tyr Phe Ser Ser Leu Arg Asn Glu Thr His Ser Ile
160                   185                 190                 195
162   Cys Thr Ala Cys Asp Glu Ser Cys Lys Thr Cys Ser Gly Leu Thr
163                   200                 205                 210
165   Asn Arg Asp Cys Gly Glu Cys Glu Val Gly Trp Val Leu Asp Glu
166                   215                 220                 225
168   Gly Ala Cys Val Asp Val Asp Glu Cys Ala Ala Glu Pro Pro Pro
169                   230                 235                 240
171   Cys Ser Ala Ala Gln Phe Cys Lys Asn Ala Asn Gly Ser Tyr Thr
172                   245                 250                 255
174   Cys Glu Glu Cys Asp Ser Ser Cys Val Gly Cys Thr Gly Glu Gly
175                   260                 265                 270
177   Pro Gly Asn Cys Lys Glu Cys Ile Ser Gly Tyr Ala Arg Glu His
178                   275                 280                 285
180   Gly Gln Cys Ala Asp Val Asp Glu Cys Ser Leu Ala Glu Lys Thr
181                   290                 295                 300
183   Cys Val Arg Lys Asn Glu Asn Cys Tyr Asn Thr Pro Gly Ser Tyr
184                   305                 310                 315
186   Val Cys Val Cys Pro Asp Gly Phe Glu Glu Thr Glu Asp Ala Cys
187                   320                 325                 330
189   Val Pro Pro Ala Glu Ala Glu Ala Thr Glu Gly Glu Ser Pro Thr
190                   335                 340                 345
192   Gln Leu Pro Ser Arg Glu Asp Leu
193                   350
195   <210> SEQ ID NO: 3
196   <211> LENGTH: 2206
197   <212> TYPE: DNA
198   <213> ORGANISM: Homo Sapien
200   <400> SEQUENCE: 3
201   caggtccaac tgcacctcgg ttctatcgat tgaattcccc ggggatcctc 50
203   tagagatccc tcgacctcga cccacgcgtc cgccaggccg ggaggcgacg 100
205   cgcccagccg tctaaacggg aacagccctg gctgagggag ctgcagcgca 150
207   gcagagtatc tgacggcgcc aggttgcgta ggtgcggcac gaggagtttt 200
209   cccggcagcg aggaggtcct gagcagcatg gcccggagga gcgccttccc 250
211   tgccgccgcg ctctggctct ggagcatcct cctgtgcctg ctggcactgc 300
213   gggcggaggc cgggccgccg caggaggaga gcctgtacct atggatcgat 350
215   gctcaccagg caagagtact cataggattt gaagaagata tcctgattgt 400
217   ttcagagggg aaaatggcac cttttacaca tgatttcaga aaagcgcaac 450
219   agagaatgcc agctattcct gtcaatatcc attccatgaa ttttaccttg 500
221   caagctgcag ggcaggcaga atacttctat gaattcctgt ccttgcgctc 550
223   cctggataaa ggcatcatgg cagatccaac cgtcaatgtc cctctgctgg 600
225   gaacagtgcc tcacaaggca tcagttgttc aagttggttt cccatgtctt 650
227   ggaaacagg atggggtggc agcatttgaa gtggatgtga ttgttatgaa 700
229   ttctgaaggc aacaccattc tccaaacacc tcaaaatgct atcttcttta 750
231   aaacatgtca acaagctgag tgcccaggcg ggtgccgaaa tggaggcttt 800
233   tgtaatgaaa gacgcatctg cgagtgtcct gatgggttcc acggacctca 850
235   ctgtgagaaa gccctttgta ccccacgatg tatgaatggt ggactttgtg 900
237   tgactcctgg tttctgcatc tgcccacctg gattctatgg agtgaactgt 950
239   gacaaagcaa actgctcaac cacctgcttt aatggaggga cctgtttcta 1000
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RAW SEQUENCE LISTING   DATE: 10/07/2003
PATENT APPLICATION: **US/09/903,806C**   TIME: 09:35:23

Input Set : **A:\P1618P2C3 sequence listing.txt**
Output Set: **N:\CRF4\10072003\I903806C.raw**

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241  ccctggaaaa tgtatttgcc ctccaggact agagggagag cagtgtgaaa 1050
243  tcagcaaatg cccacaaccc tgtcgaaatg gaggtaaatg cattggtaaa 1100
245  agcaaatgta agtgttccaa aggttaccag ggagacctct gttcaaagcc 1150
247  tgtctgcgag cctggctgtg gtgcacatgg aacctgccat gaacccaaca 1200
249  aatgccaatg tcaagaaggt tggcatggaa gacactgcaa taaaaggtac 1250
251  gaagccagcc tcatacatgc cctgaggcca gcaggcgccc agctcaggca 1300
253  gcacacgcct tcacttaaaa aggccgagga gcggcgggat ccacctgaat 1350
255  ccaattacat ctggtgaact ccgacatctg aaacgtttta agttacacca 1400
257  agttcatagc ctttgttaac cttttcatgtg ttgaatgttc aaataatgtt 1450
259  cattacactt aagaatactg gcctgaattt tattagcttc attataaatc 1500
261  actgagctga tatttactct tccttttaag ttttctaagt acgtctgtag 1550
263  catgatggta tagattttct tgtttcagtg ctttgggaca gattttatat 1600
265  tatgtcaatt gatcaggtta aaattttcag tgtgtagttg gcagatattt 1650
267  tcaaaattac aatgcatttta tggtgtctgg gggcagggga acatcagaaa 1700
269  ggttaaattg ggcaaaaatg cgtaagtcac aagaatttgg atggtgcagt 1750
271  taatgttgaa gttacagcat ttcagatttt attgtcagat atttagatgt 1800
273  ttgttacatt tttaaaaatt gctcttaatt tttaaactct caatacaata 1850
275  tattttgacc ttaccattat tccagagatt cagtattaaa aaaaaaaaaa 1900
277  ttacactgtg gtagtggcat ttaaacaata taatatattc taaacacaat 1950
279  gaaataggga atataatgta tgaacttttt gcattggctt gaagcaatat 2000
281  aatatattgt aaacaaaaca cagctcttac ctaataaaca ttttatactg 2050
283  tttgtatgta taaaataaag gtgctgcttt agttttttgg aaaaaaaaaa 2100
285  aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa gggcggccgc gactctagag 2150
287  tcgacctgca gaagcttggc cgccatggcc caacttgttt attgcagctt 2200
289  ataatg 2206
291  <210> SEQ ID NO: 4
292  <211> LENGTH: 379
293  <212> TYPE: PRT
294  <213> ORGANISM: Homo Sapien
296  <400> SEQUENCE: 4
297  Met Ala Arg Arg Ser Ala Phe Pro Ala Ala Ala Leu Trp Leu Trp
298   1               5                   10                  15
300  Ser Ile Leu Leu Cys Leu Leu Ala Leu Arg Ala Glu Ala Gly Pro
301                  20                  25                  30
303  Pro Gln Glu Glu Ser Leu Tyr Leu Trp Ile Asp Ala His Gln Ala
304                  35                  40                  45
306  Arg Val Leu Ile Gly Phe Glu Glu Asp Ile Leu Ile Val Ser Glu
307                  50                  55                  60
309  Gly Lys Met Ala Pro Phe Thr His Asp Phe Arg Lys Ala Gln Gln
310                  65                  70                  75
312  Arg Met Pro Ala Ile Pro Val Asn Ile His Ser Met Asn Phe Thr
313                  80                  85                  90
315  Trp Gln Ala Ala Gly Gln Ala Glu Tyr Phe Tyr Glu Phe Leu Ser
316                  95                  100                 105
318  Leu Arg Ser Leu Asp Lys Gly Ile Met Ala Asp Pro Thr Val Asn
319                  110                 115                 120
321  Val Pro Leu Leu Gly Thr Val Pro His Lys Ala Ser Val Val Gln
322                  125                 130                 135
324  Val Gly Phe Pro Cys Leu Gly Lys Gln Asp Gly Val Ala Ala Phe
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RAW SEQUENCE LISTING   DATE: 10/07/2003
PATENT APPLICATION: **US/09/903,806C**   TIME: 09:35:23

Input Set : **A:\P1618P2C3 sequence listing.txt**
Output Set: **N:\CRF4\10072003\I903806C.raw**

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325                    140              145              150
327  Glu Val Asp Val Ile Val Met Asn Ser Glu Gly Asn Thr Ile Leu
328                    155              160              165
330  Gln Thr Pro Gln Asn Ala Ile Phe Phe Lys Thr Cys Gln Gln Ala
331                    170              175              180
333  Glu Cys Pro Gly Gly Cys Arg Asn Gly Gly Phe Cys Asn Glu Arg
334                    185              190              195
336  Arg Ile Cys Glu Cys Pro Asp Gly Phe His Gly Pro His Cys Glu
337                    200              205              210
339  Lys Ala Leu Cys Thr Pro Arg Cys Met Asn Gly Gly Leu Cys Val
340                    215              220              225
342  Thr Pro Gly Phe Cys Ile Cys Pro Pro Gly Phe Tyr Gly Val Asn
343                    230              235              240
345  Cys Asp Lys Ala Asn Cys Ser Thr Thr Cys Phe Asn Gly Gly Thr
346                    245              250              255
348  Cys Phe Tyr Pro Gly Lys Cys Ile Cys Pro Pro Gly Leu Glu Gly
349                    260              265              270
351  Glu Gln Cys Glu Ile Ser Lys Cys Pro Gln Pro Cys Arg Asn Gly
352                    275              280              285
354  Gly Lys Cys Ile Gly Lys Ser Lys Cys Lys Cys Ser Lys Gly Tyr
355                    290              295              300
357  Gln Gly Asp Leu Cys Ser Lys Pro Val Cys Glu Pro Gly Cys Gly
358                    305              310              315
360  Ala His Gly Thr Cys His Glu Pro Asn Lys Cys Gln Cys Gln Glu
361                    320              325              330
363  Gly Trp His Gly Arg His Cys Asn Lys Arg Tyr Glu Ala Ser Leu
364                    335              340              345
366  Ile His Ala Leu Arg Pro Ala Gly Ala Gln Leu Arg Gln His Thr
367                    350              355              360
369  Pro Ser Leu Lys Lys Ala Glu Glu Arg Arg Asp Pro Pro Glu Ser
370                    365              370              375
372  Asn Tyr Ile Trp
375  <210> SEQ ID NO: 5
376  <211> LENGTH: 45
377  <212> TYPE: DNA
378  <213> ORGANISM: Artificial Sequence
380  <220> FEATURE:
381  <223> OTHER INFORMATION: Synthetic Oligonucleotide Probe
383  <400> SEQUENCE: 5
384  agggagcacg gacagtgtgc agatgtggac gagtgctcac tagca 45
386  <210> SEQ ID NO: 6
387  <211> LENGTH: 21
388  <212> TYPE: DNA
389  <213> ORGANISM: Artificial Sequence
391  <220> FEATURE:
392  <223> OTHER INFORMATION: Synthetic Oligonucleotide Probe
394  <400> SEQUENCE: 6
395  agagtgtatc tctggctacg c 21
397  <210> SEQ ID NO: 7
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RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 10/07/2003
PATENT APPLICATION: **US/09/903,806C**   TIME: 09:35:24

Input Set : **A:\P1618P2C3 sequence listing.txt**
Output Set: **N:\CRF4\10072003\I903806C.raw**

<u>Please Note:</u>
**Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.**

Seq#:13; N Pos. 33,37,80,94,144,188
Seq#:26; N Pos. 21
Seq#:50; N Pos. 61
Seq#:113; N Pos. 1461
Seq#:131; N Pos. 1837
Seq#:174; N Pos. 1683
Seq#:175; Xaa Pos. 539
Seq#:206; N Pos. 973,977,996,1003
Seq#:424; Xaa Pos. 1,3,4,5,6,7,8,9,11,12,13,14,15,17,18,19,20,21,22,23,24
Seq#:424; Xaa Pos. 25,26,28,30,31,32,33,34,36,37,39

VERIFICATION SUMMARY   DATE: 10/07/2003
PATENT APPLICATION: **US/09/903,806C**   TIME: 09:35:24

Input Set : **A:\P1618P2C3 sequence listing.txt**
Output Set: **N:\CRF4\10072003\I903806C.raw**

```
L:585 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0
M:341 Repeated in SeqNo=13
L:902 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:0
L:2087 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50 after pos.:50
L:4499 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:113 after pos.:1450
L:5070 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:131 after pos.:1800
L:6720 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:174 after pos.:1650
L:6896 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:175 after pos.:525
L:8258 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:206 after pos.:950
M:341 Repeated in SeqNo=206
L:15200 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:424 after pos.:0
M:341 Repeated in SeqNo=424
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